

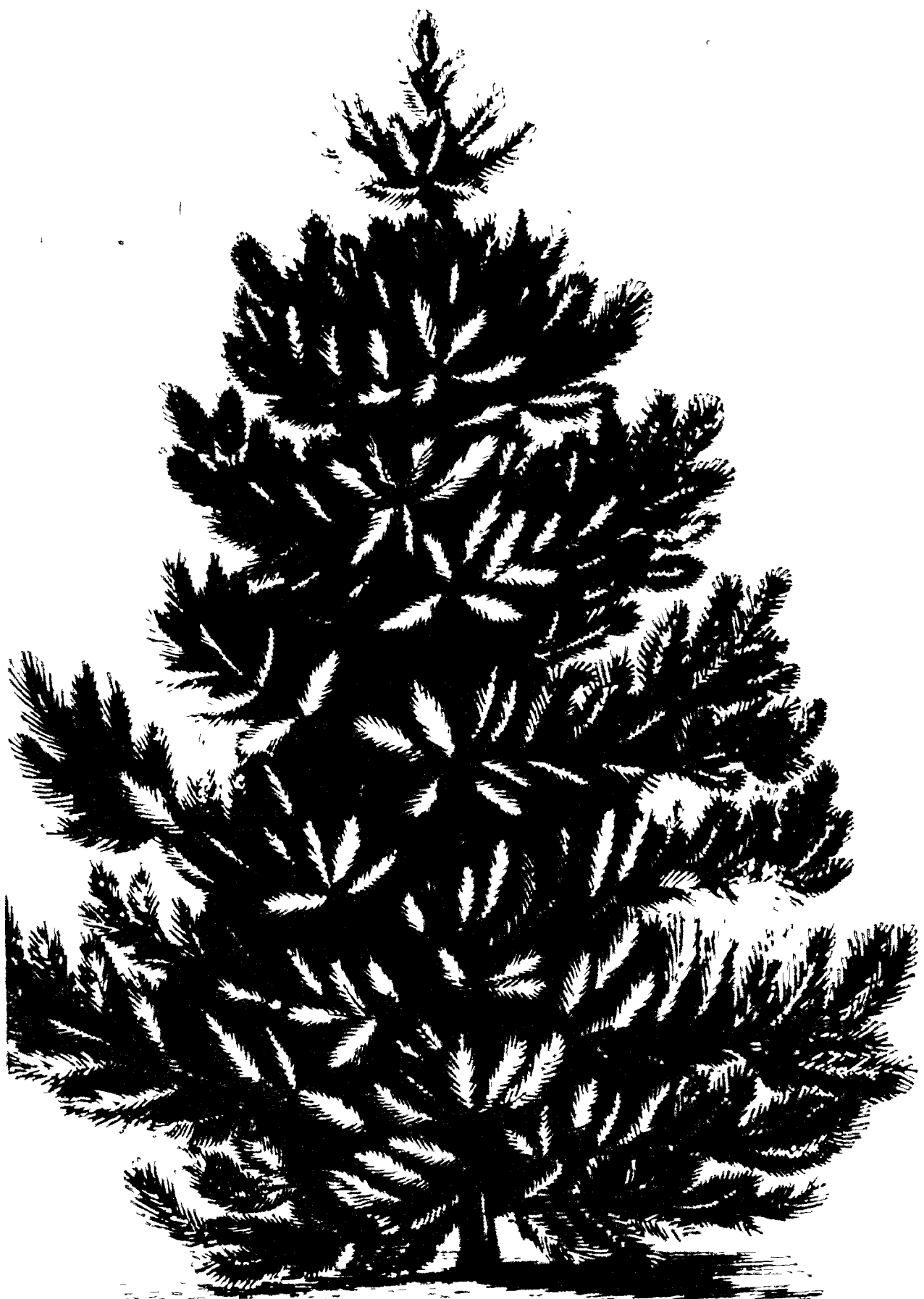
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PROCEEDINGS
OF THE
NEBRASKA
STATE

Horticultural Society,

FOR THE YEAR 1872.



BROWNVILLE, NEB.
ADVERTISER BOOK AND JOB PRINT.
1873.

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NEBRASKA

State Horticultural Society,

SUMMER MEETING, 1872.

The Society met, on call of the President, at Nebraska City, August 6th, 1872.

There were present all the officers, except Vice-President Allan, and a large number of members and friends.

On motion of D. H. Wheeler, J. H. Masters, J. S. Morton and R. W. Furnas were designated a Committee on Synonyms.

The President appointed the following committees:

FRUITS ON EXHIBITION—J. W. Pearman, Benton Aldrich and Oliver Harman.

FLOWERS ON EXHIBITION—W. J. Hesser, Mrs. Ed. Sheldon and Mrs. S. R. Thompson.

VEGETABLES ON EXHIBITION—H. C. Brugman, A. Donohue and W. J. Lynch.

Meeting adjourned until 2 o'clock.

AUGUST 6th, 1872, 2 O'CLOCK P. M.

Meeting called to order by the President.

The following reports of the committees were made, viz :

REPORT OF FRUIT COMMITTEE.

Mr. President and Members :

The committee appointed to make a record of the number of plates of fruits exhibited, respectfully report the following :

J. H. Masters, Otoe county, exhibits sixteen plates of apples, to-

wit: Nebraskian, Early Joe, Duchess of Oldenburg, English Red Streak, Sweet June, Early Harvest, Hocking, Hawley, Early Penock, Sweet Bow, American, Summer Pearmain, Cooper's Early White, Red Astrachan, Red June, Pumpkin Sweet, Buffington's Early. Also two varieties of Crab Apples, and three of Pear, Osborne's Summer, Burre Guifford and Tyson.

Benton Aldrich, Nemaha county, exhibits one plate of Cooper's Early White, one of Duchess of Oldenburg, and one of Red June apples, and one plate of Troth's Early peaches.

Joseph Sands, Otoe county, exhibits ten plates, as follows: English Red Streak, Early Penock, Cooper's Early White, Red June, Cart's Penock, Duchess of Oldenburg, "Unknown" May apple, and Little Romanite. The two last named varieties were grown by Mr. Sands in the year 1871, and fully demonstrated the fact of their being good varieties and long keepers.

Oliver Harman, Otoe county, exhibits eleven plates: Duchess of Oldenburg, Red June, Cooper's Early White, and one variety "Unknown" of apples. Also Seckle Burre, Deil, White Doyenne, and Louise Bonne d'Jersey pear; Houghton Seedling Gooseberry, and Red Dutch Currants.

J. Sterling Morton, Otoe county, exhibits twenty-three plates, as follows: Red June, Maiden's Blush, Perry Russett, Talpahocking, White Winter Pearmain, Roxbury Russett, Hass, Fall Pippin, Sweet June, Wine Sap, Hawthornden, Pennsylvania Red Streak, Autumn Strawberry, Hyslop Crab, Rawle's Jannett, Westfield's Seek-no-Further, Red Astrachan, Domine, Sasafras Sweet, Yellow Belleflower, apples. Also White Doyenne, Seckle and Flemish Beauty pears.

Miss Lizzie Gilmore, Otoe county, exhibits seven plates, as follows: Duchess of Oldenburg, Red June and Maiden's Blush, apples; and three varieties of unknown pears, which are both handsome and luscious.

D. F. Jackson, Otoe county, exhibits two plates, one of pears and one of plums.

L. A. Walker, of Douglas county, exhibits four plates.

T. D. Crook, Otoe county, three plates of beautiful crab apples.

Wm. Fulton, Otoe county, two plates pears, Osborn Summer, and Louise Donne d'Jersey.

John E. Shepherd, Otoe county, twenty plates of fine, healthy apples; not named.

J. C. Gilman, Otoe county, one dish Early Penock apples.

W. W. Wardell, Otoe county, two plates of apples, Sweet June and Early Penock.

Wm. Lowe, Otoe county, seven plates: Early Red, Early Penock, Buffington's Early, Sweet June, Cooper's Early White, Maiden's Blush, and King of Tompkins county.

Jacob Hawke, Otoe county, one plate of Sweet June apples.

Samuel Munce, Otoe county, one dish Early Penock apples.

A. Donohue, Otoe county, ten plates: Early Penock, Cooper's Early White, Red June, Red Astrichan, Maiden's Blush, Fulton Strawberry, and two varieties unknown.

Wm. McLellan, Otoe county, eight plates: Red June, Sweet June, Early Penock, Domine, Autumn Swaar, New Town Pippin, Rambo and Rawle's Jannett.

Wm. Payne, Otoe county, five plates: Cooper's Early White, Early Red, Early Penock, Red June, and one variety unknown to the committee.

S. B. Hobson, Cass county, by C. H. Warsion, six dishes: Pumpkin Sweet, Early Penock, Red Astrichan, Red June and Hyslop Crab.

Mrs. McCallum, Otoe county, one dish of fine large gooseberries, of the English varieties.

W. J. Lynch, Cass county, four plates: Transcendent Crab, Early Penock, Red June and Red Astrichan, apples.

Lee Wright, Cass county, by D. H. Wheeler, one plate of fine large Red June apples.

Perry Walker, Cass county, by D. H. Wheeler, seven plates: Sheep Nose, Red June, Early Penock, Sweet June, Red Astrichan, American Summer Pearmain, and one variety unknown.

D: P. Rolfe, Otoe county, one plate Duchess of Oldenburg apples.

Wm. E. Kennicutt, Otoe county, two plates : Red Astrichan, and one variety unknown.

James Sweet, Otoe county, one plate of red June apples.

J. Gill, Nemaha county, one plate of red June apples.

Joel Draper, Otoe county, two plates of pears, Tyson and Blood-good.

T. Bois, Otoe county, one branch of Nebraska 'grown American sweet chestnuts, from tree twelve years old.

Col. Furnas, Nemaha county, exhibits twelve plates : Early Joe, sweet June, summer Queen, summer rose, early Penock, large yellow crab, transcendent crab, apples. Also three varieties of fine seedling peaches, and two of pear, to-wit : Flemish beauty and belle lucrative.

Geo. Bratton, Nemaha county, five plates : Early Penock, early Joe, red June, apples, and Troth's early peach.

H. Alderman, Nemaha county, four plates : Early Penock, hightop sweet, red June, and early Joe apples.

J. Q. A. Smith, Nemaha county, one plate of sweet bow apples.

S. R. Jamison, Nemaha county, one plate of early Joe apples.

Joseph Hamilton, Nemaha county, one plate of Troth's early peach.

O. B. Hewett, Nemaha county, one plate of Troth's early peach.

D. R. Thompson, Otoe county, one plate of plums and one of raspberries.

John H. Croxton, Otoe county, one plate of Redfield's everbearing raspberries, a variety introduced by S. Redfield in that county.

Robert Hawke, Otoe county, three plates : One of Cooper's early white apples, one of gooseberries, and two of very large plums.

Robert Lorton, Otoe county, one plate of Bartlett pears.

Henry Hauptman, Otoe county, one plate of early Penock apples.

Making a grand total of two hundred and two plates of fruit, to-wit :

156 plates of apples ; 24 plates of pears ; 10 plates of peaches ; 6 plates of plums ; 3 plates of gooseberries ; 2 of raspberries ; 1 of currants.

All of which is respectfully submitted.

J. W. PEARMAN,
BENT. ALDRICH, } Com.
O. HARMAN, }

REPORT OF COMMITTEE ON VEGETABLES.

Exhibited by Mr. Hesser, Cass county, early rose and late rose potatoes, early blood turnip, early bassino beet, leek, rhubarb, red and yellow onions, carrots, celery, two varieties, cucumbers, squash, parsnip, vegetable oyster.

By A. Smith, Cass county, trophy tomato, cabbage, Phinney's early water melen, Branding sweet corn.

H. C. F. BRUGMANN,	} Com.
AB. DONOHUE,	
W. J. LINCH,	

REPORT OF COMMITTEE ON FLOWERS.

There were on exhibition by Mrs. Hawley, Otoe county, one Geranium, one Tradescantia, one Ivy.

By Mrs. J. S. Morton, Otoe county, one very large pyramid floral display, very fine and tastefully arranged, and two vases of cut flowers.

By Mrs. Ed. Sheldon, Otoe county, one double Petunia, one mammoth Lemon Verbena, one Evergreen Ivy Cross, one Geranium, one Japan Lilly, one Begonia, one pink Oleander, 10 feet high, two smaller ones, scarlet and white.

By Mrs. J. B. Lull, Otoe county, one double Fuschia, one mock Strawberry, one Acharanthus.

By Mrs. R. Hawke, Otoe county, one scarlet geranium, one Heliotrope.

By Mrs. Geo. Hawke, Otoe county, one large oleander.

By Mrs. Armstrong, Otoe county, one petzforum, one caladeum, and one amarillis.

By Mrs. Pearman, Otoe county, nine coleus, assorted, two geraniums, one agave, two acharatnus.

By Mrs. Masters, Otoe county, one extra large lemon verbena, two primrose, one boquet cut flowers.

By Mrs. Way, Otoe county, one century plant, one Jerusalem cherry.

By H. C. Brugmann, Otoe county, two fuschias, one geranium, one carnation, two fine boquets of cut flowers.

By Mrs. Robert Teare, Nemaha county, two large and elegantly arranged hand boquets of cut flowers.

By Mr. Ryan, of Omaha, two splendid pyramid bouquets of cut flowers.

By W. J. Hesser, of Cass county, twelve begonia, assorted, five ornamental grass, six coleus, twelve fuschias, one smilax, one cinne-rea, two ivy, one farfugium, one begonia, one echiveria, one gesuevia, ten rose, fifteen geranium, one hydrauga, two aloe, one artemesia, one saxaflage, three solanum, two fern, one Japan honeysuckle, four hili-trope, two sedum, two tradescantia, one caladium, two pelargonium, one abutilon, one oleander, two carnation, two vinca, two acharau-thus, one cycopodum.

W. J. HESSER,
MRS. ED. SHELDON,
MRS. S. R. THOMPSON, } Com.

On motion J. S. Morton, of Otoe county, Dr. A. L. Childs, of Sarpy county, and Prof. S. R. Thompson, of State University, were appointed a committee on Entomology, with instructions to report at the January meeting of this Society, observations and information as to various insects injurious to fruits, and the best mode of destroying the same.

On motion of Mr. Morton the following preamble and resolution was adopted :

WHEREAS, The Legislature of the State of Nebraska at its last session appropriated two thousand dollars to the State Board of Horticulture for the purpose of developing and encouraging the pomological interests of Nebraska, and,

WHEREAS, The county of Otoe was the first to inaugurate and maintain, by regular meetings, and an intelligent zeal, a County Horticultural Society, therefore,

RESOLVED, That in accord with the spirit of the law making the aforesaid appropriation, and in strict conformity to its interest and design, the President, Secretary and Treasurer of the State Board of Horticulture be, and are hereby, requested and required to pay over to the Treasurer of the Otoe County Horticultural Society, W. J. Armstrong, Esq., the sum of two hundred dollars, which sum may be expended in the purchase of a Horticultural Library for said county Society, and for such other purposes, to the advancement of the use-

fulness and interests of the Otoe County Horticultural Society, as the members of that body may direct.

On motion of D. H. Wheeler the following resolutions were adopted :

RESOLVED, That the State Horticultural Society cheerfully recommend the "Nebraska Farmer," edited and published by A. Deyo, of Lincoln, Nebraska, to the Agriculturists, Horticulturists and Pomologists of Nebraska, believing that it is eminently worthy of the patronage and support of all of our citizens.

RESOLVED, That the thanks of this Society are hereby extended to the citizens of Nebraska City, for the generous manner in which they have entertained the State Horticultural Society, and they are particularly extended to all persons who have furnished fruits, flowers and plants for exhibition and display at this meeting.

RESOLVED, That the fruits now on exhibition which have been donated to the State Horticultural Society be, and the same are hereby, presented to the Omaha Republican and the Omaha Herald in consideration of the intelligent interest they have taken in the proceedings of the Society, and the generous enterprise they have shown in sending reporters to attend its meetings and write up this important and rapidly developing industry of the State of Nebraska.

RESOLVED, By the State Horticultural Society, that the thanks of the Society are hereby extended to various papers of Nebraska for their notices of this meeting, and for the kindly interest they have taken in the success and development of the Agricultural, Horticultural and Pomological interests of the State.

The committee on synonyms reported that the apple presented by Perry Walker, of Cass county, as Red Astrichan, is the Summer Haggloe, and that many other specimens were not sufficiently advanced to warrant a decision.

Adjourned until to-morrow at 9 o'clock.

AUGUST 7th, 9 o'clock.

Meeting called to order and proceeded to the discussion of fruits.

Stars in our discussion indicate: One * denotes "good," worthy of

cultivation; two ** denotes "better," and *** denotes "best," the highest grade we have. All characteristics are taken into consideration.

PEARS.

Burre Gifford—Masters has fruited it: thinks it the best; tree perfectly hardy. No experience from any one present. **

Osband's Summer—Masters has fruited it; can say nothing particularly in its favor; tree good bearer; fruit not No. 1; would give it a place among early pears. *

Tyson—Raymond regards it as one of our best; tree hardy and prolific. ***

Bloodgood—Raymond considers it the richest of the earlies, and well worthy of cultivation. **

The discussion on Pears was very limited, the members reiterating what had heretofore been said in relation to other varieties, reference to which is made in "Fruit List" heretofore adopted.

APPLES.

Early Harvest—This season has generally done well.

Masters thinks it only a fair bearer, unless tip grafted; with him, shows a little tenderness.

Payne is well pleased with it; trees full this year.

Redfield cannot say too much in its favor; trees very full this year.

Brugmann, with him not done so well this year as before; still he would not dispense with it. ***

Red June—Masters, liable to overbear; thinks fruit should be trimmed. * **

Buffington's Early—Lowe, very fine and reliable; this was the evidence of all present. ***

Red Astrichan—Morton presented a large plate-full of extraordinary merit; has seven trees fourteen years old; has no early apple he thinks so much of.

Furnas has fruited it and regards it the most reliable early fruit we have.

Masters, heretofore has not thought much of it ; is disposed to regard it more highly this year ; with him has not come into bearing early ; age gives additional character.

Pearman has known it for fourteen years ; said much in its favor.

Donohue had not fruited it, but was well pleased with in all respects. * * *

Early Penock—Fine specimens on exhibition, and spoken highly of by all present ; one of the best "show apples" we grow. — *

Sweet Bough—Winslow, prolific, slow coming to bearing ; with age does well ; tree hardy ; uniform bearer.

Masters has but one tree ; fruit very best ; tree not the hardiest ; slow coming into bearing. * *

Cassell, was regarded shy bearer where he came from.

Pumpkin Sweet—Some fine specimens on exhibition ; not much admired as there were many sweet apples far superior. *

Sweet June—Was regarded as one of the best sweet apples ; tree not regarded as hardy as desirable ; taking all into consideration it was voted * *.

Early Joe—Specimens on tables were tested and its characteristics discussed and * * * unanimously voted it.

Summer Queen—Furnas has fruited it for eight or ten years ; tree hardy ; bears early ; fruit not best ; considers it a reliable early variety.

Cassell thinks it as good as Red Astrichan. Voted * *.

Duchess of Oldenburg—Masters, tree with him hardy ; bear early and regular ; as cooking apple has no superior ; does not regard quality of fruit as No. 1.

Others spoke highly in its favor and it was given * * * especially for our region.

Hawley—Masters, tree hardy ; poor bearer ; quality of fruit "best."

Davis thought it one of the best apples in the world ; it ought to have six stars.

After discussion and considering some of its failings, poor bearer, it was voted only * *.

Sheep Nose—Wheeler, the apple was raised by Mr. Walker, of Cass, is regarded by him as one of his best in all respects.

Davis knows apple well ; endorses all said by Wheeler.

Wheeler thinks knowledge of it too limited to warrant over **, which were given it.

Cooper's Early White—Lowe has fruited it for ten years ; regards it of the best ; tree little tender ; some years does not bear as well as others, some fruit, however, every season ; when you sell a bushel of Cooper's Early White you can sell again to the same man.

Cassell regards it a sure bearer ; tree hardy ; indispensable as an early fruit.

Masters, brought to the territory seventeen years ago ; bears at three years old, regular, sells well ; tree, with him, little tender under high cultivation.

Aldrich has forty trees bearing, were put out at three years old, now six years old. ***

PLUMS.

Jefferson, Green Gage, Duane's Purple and Red Gage were on exhibition and all said to have done well this season, and thought worthy of cultivation.

PEACHES.

Troth's Early—Aldrich finds it reliable in all respects ; hardy and good bearer.

Furnas says it is cultivated in Nemaha county with great success.

There were some very fine specimens on exhibition from Nemaha county. Voted ***.

Phinney's Watermelon was tested and voted ***.

J. W. Pearman, Secretary of Otoe County Horticultural Society, extended an invitation to the Society to visit orchards in Otoe county.

Invitation accepted and to-morrow at 10 o'clock fixed as the hour at which to start.

VISITS OF SOCIETY TO ORCHARDS IN OTOE CO.

At the hour agreed upon carriages were in waiting, and the following orchards were visited :

W. J. ARMSTRONG

Planted one hundred and fifty apple trees nine years ago, and three hundred and fifty more the past spring. The nine year old trees are now in splendid bearing condition, healthy and in good shape, all with low heads. Have been pruned but little since putting out ; orchard in blue grass for last four years ; wind breaks on all sides ; orchard on high ground ; some moth past season ; prefers south wind break. In addition to apples named he has two hundred and fifty peach trees, principally seedlings, fifty early Richmond cherries, and a few Flemish beauty and bon ton pears, and Isabella grapes.

Varieties of apples grown : Jenneting, maiden's blush, rambo, early harvest, red June, Nowtown pippin, little red romanite, white winter Pearmain, northern spy, and yellow belleflower. All considered reliable except, perhaps the yellow belle flower. In this farm the yellow locust ("Robinia psuedo acacia") trees were badly bored, in fact destroyed, as they are nearly everywhere in Nebraska.

Mr. Armstrong is hedging extensively and with the honey locust, which he considers far preferable to osage. Here we found as fine a field of red clover as one could desire to see ; does fine. Mr. A.'s apple trees are planted twenty-four feet apart each way.

J. STERLING MORTON,

Fourteen years ago planted five hundred apple trees, originally thirty-two feet apart. Has since, however, planted half way between each ; will be compelled to take out the last planting ; the original distance is about right. Two years ago he put out one thousand apple and two hundred pear trees. Does not prune ; trees are all low headed, many limbs actually on the ground.

Varieties of apples, all considered reliable : Red astrichan, Rawle's jannett, Perry russett, English golden russett, Pennsylvania red streak early harvest, maiden's blush, domine, fameuse, Westfield's seek-no-further, and yellow belleflower. Mr. M. is putting his orchard in

grass ; has not cultivated for years ; is on high ground, rather overhanging to the east and west ; wind breaks ou north and partially on west and south.

OLIVER HARMAN

Commenced planting in the spring of 1865. At that time and since has planted eight hundred and twenty-two apple trees, two hundred and thirty two peach, fifty-nine pear, fifty cherry, fifty-two plum, and four hundred and ten grapes.

The varieties of apples are: White winter Pearmain, Rawle's jannett, Jonathan, Roman stem, mother, minkler, early strawberry, rambo, early harvest, red astrichan, domine, early penock, sweet romanite, maiden's blush, red June, yellow belleflower, northern spy, wine sap, Duchess of Oldenburg, Cooper's early white, Carthouse, Wagner, white pippin, winter mag., sweet June, autumn strawberry, golden russett, Buffington's early, fall wine, fameuse, king of Tompkins, fall pippin, Ben. Davis, Milam, winter maringo, calvert, wine sap.

Varieties of pears : Seckel, Kingssessing, Bartlett, Steven's Genesee, Howel, Beurre diel.

Varieties of grapes : Catawba, Clinton, Hartford prolific, Ive's seedling, Diana, Delaware, Concord.

Varieties of plums : Smith's Orleans, Kirk, Jefferson, Egg, Damson.

Mr. Harman has pruned what he calls extravagantly ; thinks he has over-done it ; will do less in the future. Orchard on high ground, with wind breaks. He thinks trees should not be planted closer than twenty-four feet—prefers thirty-two ; is putting orchard into grass.

Mr. H. has paid great attention to the cultivation of our native evergreen, red cedar, and with most gratifying success. His grounds are extensively adorned with them.

Everything about "Country Joe's" farm was in fine order—a place for everything and everything in its place. After ranging around, we were invited to the shade of some fine ash leaved maple, planted with Mr. H's own hand, where a rustic table was erected, and Mrs. Har-

man and daughter served the company with ice cream and cake, to the great satisfaction of all.

Mr. H. is paying considerable attention to bee culture, and with success.

J. H. MASTERS

Came into the then Territory seventeen years ago, and has been ever since more or less engaged in tree growing, both for his own use and for others. He has now about eight hundred bearing fruit trees of various kinds; two hundred and fifty of which are pears. His trees all look well and in good condition, except pears. Here we found blight to quite an alarming extent. He, too, is putting his orchard to grass. One apple tree on his premises measured four feet in circumference. Some fine specimens of European larch, spruces and pines, twelve years old, were found on Mr. Master's grounds. Also an excellent buckthorn hedge, ten years old, and bearing chestnut trees. The orchard is on high ground and well surrounded by both natural and artificial wind breaks.

Mr. M. is engaged quite extensively in the bee business, making a point of it. He has about seventy colonies of Italians and finds them quite profitable. We were promised a detailed report from Mr. M.'s own pen, but failed to receive it at writing.

JOSEPH SANDS.

This orchard is composed of three hundred and fifty apple, three hundred pear, and six hundred grape, with a small variety of other fruits. The apple orchard was planted by John Bennett in 1859, and is now in good bearing condition. Mr. Sands is a German, and has pruned his trees liberally as they do in the Father land. He advocates this system and claims that his yield is at least as good as any body's else. The bearing trees were full as could be desired and the fruit excelled in quality, size and color. He has his orchard well in grass—timothy, red clover and alfalfa, not mixed but in separate portions of the grounds. His hay off the grounds he claims is quite an item. Apple trees are twenty-four feet apart, pears twelve and sixteen. The old gentleman gives special attention to seeing that everything is in order. His grounds are clear and clean, surrounded prin-

cipally by natural growth of timber, and is high bluff land overlooking the Missouri River Valley.

After seeing all that could be seen we were requested to "ust sthep into der schade a leetle," which we did and soon were presented with a supply of home-made ice cream, Concord and Clinton wines, pronounced excellent by all.

R. DONOHUE.

Orchard eight years old; on high prairie. Three hundred bearing apple trees, six hundred in all, seventy-five pear, seventy cherry, one hundred grapes and six hundred peach. His trees were planted sixteen feet apart, but found already entirely too close. In many instances limbs lock now. Does not cultivate his ground; keeps down weeds by mowing frequently. His trees look remarkably well.

The varieties of apples on Mr. D.'s farm are Rawle's jannett, wine sap, white winter Pearmain, Jonathan, rambo, Roman beauty, Cooper's early white, Ben Davis, red astrichan, hub, none such, Smith's cider, yellow belleflower, little red romanite, red June, northern spr, and striped sweet pippin.

Here, too, the company was regaled with some of Mr. D.'s native home-made Clinton wine.

W. E. KENNICUTT.

This was an extra call and hence short. We found everything in good condition. The orchard consists of eight hundred young apple trees, one hundred Concord grapes, in fine bearing condition, three hundred peaches, cherries, currants and gooseberries. There was also a fine start of forest trees, both deciduous and evergreen. The old gentleman spends most of his time in "pruning and tinkering about," while the junior runs the farm, and does the "heavy." These grounds are on the highest elevation overlooking the surrounding country.

The following memoranda was handed us merely to show how much was being done. As we were not present on grounds we cannot speak further:

JAMES SWEET,

Belmont, adjoining Nebraska City: 150 apple trees, 14 years old:

500 apple trees four years old, of the following varieties: Northern spy, wine sap, white winter Pearmain, jeneton, belleflower, red June, red astrichan, etc. 59 pear trees; 25 cherry trees.

WM. FULTON,

Belmont, adjoining Nebraska City: 1,000 apple trees, four and five years old; jeneton, wine sap, Pearmain, summer queen, red June, red astrichan, Ben. Davis, etc. 200 pear trees, five years old; Bartlett, Duchess, etc. 100 early Richmond cherry; 50 assorted crab apples, plums, peaches, etc.

The time allotted for visiting having expired, the Society returned to the hall and closed its labors. A noticeable fact observed at all orchards visited, was that the yellow belleflower, at same age and with same surroundings as other trees, had borne but little—in some cases not at all. The Domine was extra everywhere especially as to prolificness.

The following extract from a letter from Nathan H. Shaw, West Point, Cuming county, will give some idea of what is going on in that region:

"I regret that business prevents my attending your meeting, this time, for it has never been my good fortune to meet any of the pioneer fruit growers of Nebraska, and I had hoped, until within a day or so, to have the pleasure of meeting with you the 6th inst. Philadelphia and Purple Cane Raspberries fruited heavily this season from last year's planting, on my grounds; Davison, Thornless and Doolittle, a fair crop, all standing the severe winter without protection. I also had a few Early Richmond and English Merello Cherries, planted here spring of 1871.

"If next season proves favorable I shall exhibit at your meeting fruit of the Sneider Blackberry, Nebraska grown. Our folks in Illinois have found it so much more hardy, productive and the fruit so superior to the Kittakinney, and they will hereafter grow no other variety, and wherever known it gives the same perfect satisfaction. Mr. Jno. R. Gaston, of Normal, Illinois, has the largest plantation of them that I know of and should any of your members wish to know

who has tested this, "The Coming Blackberry," and their experience, they can learn from him the full history of it."

J. H. MASTERS,

ROBT. W. FURNAS, Sec'y.

President.

SEPTEMBER MEETING, 1872.

The State board of Agriculture and the State Horticultural Society by mutual arrangements agreed that the Pomological and Fruit displays at State Fair should be under the control and management of the State Horticultural Society.

The show of fruits was magnificent. The list of awards will be found on next page.

SIXTH ANNUAL FAIR OF THE

Nebraska State Board of Agriculture.

REPORT OF COMMITTEE ON HORTICULTURE.

CLASS I.—HORTICULTURE.

LOT 1.

Best collection Summer Apples, Perry Walker,	\$10 00
Best collection Autumn Apples, J. H. Masters,	10 00
Best collection Winter Apples, J. H. Masters,	10 00
Best collection Seedling Apples, Perry Walker,	5 00
Best collection Summer Fall and Winter Apples, J. H. Masters,	(Special, W. W. Abbey.)
Best collection Fall Pears, Joel Draper,	\$10 00
Best collection Winter Pears, J. H. Masters,	10 00
Best collection Fall and Winter Pears, J. H. Masters,	(Special, W. W. Abbey.)
Best Nebraska grown Peaches, G. W. Bratton,	10 00
Best Seedling Peach, Willet Pottinger,	5 00
Best five bunches Concord Grapes, M. Ballard,	2 00
Best five bunches Catawba Grapes, Joel Draper,	2 00
Best five bunches Diana Grapes, Joel Draper,	2 00
Best five bunches Israella Grapes, S. M. Wright,	2 00
Best five bunches Delaware Grapes, S. M. Wright,	2 00
Best collection Grapes, Joel Draper,	10 00
Best collection Fruits, Grapes, etc., J. H. Masters,	(Special, W. W. Abbey.)
Best preserved Apples, Mrs. J. W. Reese,	\$1 00
Best preserved Pears, Joel Draper,	1 00
Best preserved Peaches, W. Pottinger,	1 00
Best preserved Grapes, Mrs. A. Smith,	1 00

LOT 2.

Best preserved Tomatoes, Mrs. A. Smith,	1 00
Best preserved Jellies, Mrs. A. Smith,	1 00
Best preserved Pickles, Mrs. A. Smith,	1 00
Best preserved Gooseberries, Mrs. M. Stoker,	1 00
Best preserved Plums, (specially meritorious,) J. N. Wise,	1 00

J. T. ALLAN,
J. H. GREGG,
PERRY WALKER, } Com.
W. S. HORN,
MR. SHAW, }

REPORT OF COMMITTEE.

Your committee have to report that both in the quantity and quality of the fruit on exhibition the display far exceeds that of any previous year, and they take pride in saying that the efforts of those of our Horticulturists, who have made Nebraska so widely known as a fruit growing State, have been crowned with gratifying success. The victory at Richmond last year awakened our people to the necessity and certain results of planting orchards, and we learn, from all parts of the State, that extensive planting has taken place the past spring, and where western grown trees have been planted there has not been five per cent of loss.

Your committee cannot, in this report, do justice to this splendid display of fruit, as it would require too much space to even notice every deserving collection, and besides the time of most of the committee has been occupied, during the whole exhibition, in answering questions and giving information to those who wish to learn what, where and how to plant orchards.

Although we have had the assistance of the President and a number of the gentlemen interested in fruit culture, still we feel as if our work was but half done.

In one particular, we may be allowed to suggest that next year there be a committee, independent of the judges, whose duty shall be to give some attention to visitors from abroad. At the meeting we have had fruit growers from many of the Eastern, and almost every Western State, who have, without exception, expressed their unqualified admiration of our fruit and nursery stock, and sought to gain information in regard to the success of different varieties, soil, aspect, etc., and it would have been very satisfactory if we could have given this more attention. At least we should have had one evening devoted to a conversational fruit meeting, which would have been largely attended and interesting to all.

APPLES.

The display of this fruit was so large that a much larger space should be provided the coming year. The exhibitors all say that if there had been room each could have shown many more varieties, but

the aim was only to bring the choicest. This fruit, which is destined at an early day to be a staple product of this State, reflects great credit on the growers, showing that great care has been taken in the cultivation of those kinds which have proved suitable to this climate, and the experience of these men is worth a vast amount to new settlers who desire to plant orchards, as who does not. More enquiries have been made and interest manifested than ever before witnessed in Nebraska. Of the varieties on exhibition your committee would recommend for summer apples, in the order named as to quality: Red June, Summer Pearmain, Penock and Hawley. All of these have been proved good bearers and perfectly hardy, except the Penock which should be doubled worked.

For early autumn: Fall Wine, Fall Orange, Belmont, Nebraskian, Fameuse and Drapdor. The above, except, perhaps, the Belmont, are perfectly hardy, and rank No. 1 as to bearing qualities.

For late autumn: Belleflower, Autumn Swarr, Pommewater Sweet, Maiden Blush, Todd Pippin, None Such, Rambo, Snow and Gabriel.

Mr. Masters, of Otoe county, to whom was awarded the premium for winter apples, has furnished the following list, all of which have succeeded well with him, as his fine display attests: Yellow Belleflower, White Pippin, Sparks, Mother, Ben. Davis, Northern Spy, Red Canada, Red Gilleflower, Smith's Cider, Rawle's Jannett, Grime's Golden, Milan, Swarr, Wine Sap, King of Thompkins County, Roman Stem, Harrison, Esopie's Spitzenberg, Detroit Red, English Russett, None Such, Otoe Red Streak, Domine, Golden Russett, Vandiven, Jonathan and Winter Pearmain.

Fruit growers, East or West, will allow that this list comprises all that the amateur or market grower could desire.

Special mention should be made of the fine collection sent by C. F. Eckhart, of Dakota county, which proves that our fruit growing region is not confined to the southern portion of the State, as has been often asserted, but extends to our northern limit, almost to the 43° of latitude. Among the varieties sent were fine specimens of Kesuick, Codlin, Golden Russett, Grime's Golden, Wine Sap, Tallman Sweet, Fameuse, etc.

In his letter to the President he says: "I feel that I have arrived at a success in the apple in this country, having now in bearing, summer, early and late fall, and winter. When people once know what to plant and from whom to buy they will succeed. I have found to my sorrow, after purchasing three times from traveling agents, that they are, as a class, arrant humbugs, but when I bought direct from the nurseries, I was successful. My idea is the farther north we go the better and hardier we find nursery stock. Since my trees commenced bearing farmers here have become interested and are planting quite largely.

Perry Walker, of Cass county, besides showing the best collection of summer apples, had twenty varieties of winter, and some excellent seedlings, one of which was adjudged the best on exhibition and named, by the committee, "Walker's Autumn."

The collection of W. J. Rohwer, of Washington, coming, as it did, from the northern part of the State, where planting has not been pushed forward as in the southern counties, displayed some beautiful specimens of choice varieties.

Platte county was represented by some good seedlings raised by D. S. Anderson.

Sarpy county, which has produced some fine fruit this season, specimens of which we had expected, was only represented by Mr. Gramlich, who had some very fine summer apples.

Cass county deserves credit for the displays of Wm. Staddman, L. M. Wright and Mr. Leasley.

Taken as a whole the display of apples, for choice varieties, large size and perfection, cannot be excelled.

PEARS.

The cultivation of pears having proved a success wherever tried in the State, we find, as the consequence, some of the finest fruit and choicest varieties. When the fact became evident that this fruit could be grown as easily as apples large numbers have planted, and before long we will have in our markets an abundance of pears which always command remunerative returns.

For the benefit of those who intend planting, a list of some on exhibition is appended. From Mr. Draper, of Otoe county, Seckel, Beurre D'Anjou, Louise Bonne, White Doyenne, Belle Lucrative, Bartlett Doyenne, Doyenne Musk, and Stevens' Genesee. From Mr. Masters, of the same county, of fall varieties, Belle Lucrative, Howell, Seckel, Bartlett, Oswego Beurre, Flemish Beauty, Duchess D'Anjouline, Beurre Diehl, and of winter sorts, Vicar of Wakefield, Swarr's Orange, Easter Beurre, Glow Morceau, and St. Michael. To the amateur grower a selection from the above will afford all that can be desired.

PEACHES.

The exhibition of peaches, although too late for the early varieties, well maintains the reputation the State gained abroad last year. From the specimens shown it is clearly proved that fruit of the choicest quality can be grown from seedling trees and suggests the propriety of planting carefully selected pitts which here bear at three years. Eastern fruit growers pronounced these equal to any they had ever seen grown on budded trees, particular mention being made of those from Mr. Pottinger, of Cass county. The collection of G. W. Bratton, of Nemaha, some twelve varieties, was a decided surprise to those who had been in the belief that budding was essential to produce good fruit. This exhibition has increased the interests of peach growing, and we trust the immense importations from Eastern States will soon be supplanted with Nebraska grown fruit. It is gratifying to learn that several orchards in the State produced from 500 to 2,000 bushels each, yielding a very profitable return, and finding a ready market.

GRAPES.

The grape exhibition, in the choice and numerous varieties exhibited, proved what kinds might be grown with certain success. Cass county made an excellent display through Messrs. Hesser, Leasly, Wright, Nickelwait and others.

The prize collection of Joel Draper, of Otoe county, contained, among other excellent varieties, Catawbas and Dianas that can scarcely be equalled in any part of the United States, and the Concords from Mr. Ballard, of Washington county, were very large and fine.

The grape growing interest has taken hold of our people the present year, and vineyards, large and small, have been planted everywhere. Easy of cultivation, affording a good return, even at less than present prices, they command the attention of every fruit grower for profit.

Some idea of its advancement may be gained when it is stated that one grower has marketed from one vineyard thirty thousand pounds, realizing \$1,800. These were Concords, which commanded a more ready sale and better prices than those brought from abroad. The time will soon come when the bluffs along the Missouri which have been thought too broken for any use will be covered with vineyards, making a beautiful and rich foreground to this splendid prairie State. Here any aspect can be obtained, and the more tender varieties can be grown sheltered from the severe blasts of winter.

COUNTY SOCIETIES.

We have reserved a notice of the grandest part of the exhibition, which, as a visitor remarked, has done more to advertise the State than all the rest. We refer to the splendid collections from County Societies, which has afforded so much gratification that we may expect the coming year to see several more counties enter the lists.

Otoe county, although having already a high reputation for fruit growing, surprised every one, and among her contributions were specimens which, if exhibited singly, would have taken first premiums. J. Sterling Morton, to whom the people of that county and the whole State are largely indebted for the interest he has taken in Horticulture, exhibited some seedling peaches of extraordinary size and richness, the largest ever grown in the State, and which attracted more attention from visitors from abroad than any other specimens of fruit on exhibition. The pears of Judge Mason, Flemish Beauty, rivaled those grown in California in size, beauty and flavor. The great variety of choice apples, pears and grapes, and the excellent manner they were arranged and displayed is worthy of special mention.

Nemaha county was scarcely behind in the quality of several varieties, and among them was the excellent collection of pears from Furnas & Sons, comprising summer, fall and winter varieties, the best

assortment ever exhibited from one orchard in the State. We trust that next season as liberal a premium will again be offered in this department as that given by W. W. Abbey, of Richardson county.

Nursery stock, being an important subject, demands special attention, and that exhibited by Furnas & Sons, of Nemaha, and Mr. —, of Saline, were both of good quality. The different kinds of young trees from the former were evidently grown on older land where the soil had been deeply tilled, causing a greater growth of roots, and corresponding top. The specimens of Honey Locust, $3\frac{1}{2}$ feet in height, from seed sown the past spring, were stocky plants which would rival the Osage in size, and, for this country, unsurpassed for hedge purposes. Apple grafts, and, in fact all, were pronounced by Eastern nurserymen to be the best growth they had seen.

In conclusion your committee would congratulate the people of the State on the success of the Horticultural department of this fair, which has been of great benefit to the interests of fruit growing, and will cause thousands of trees to be planted the coming spring, whose products will soon add largely to our wealth.

Your committee are indebted to Messrs. Morton, of Nebraska City, Teare, of Brownville, Walker, of Cass, and others for valuable assistance.

J. T. ALLAN, J. H. GREGG, PERRY WALKER, W. S. HORN, MR. SHAW,	}	Com.
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REPORT OF COMMITTEE.

On account of the extreme warm weather the display of cut flowers was not as large as could have been wished, many fine collections having failed to reach the hall in good order, but those exhibited displayed taste and good culture. The display in green house plants, of Mr. Hesser, of Plattsmouth, is worthy of special mention, and were a prominent feature of the exhibition, both on account of the large number and the choice varieties. Our soil in its natural state being so well calculated for the growth of flowers, they have become a necessity about every home; while all the choicest can be procured

here, as the present display attests. Your committee confidently expect a much increased display the coming year, and that Floriculture, as it has previously, keep pace with the rapid advance of our fruit growing interests. With the rapid settlement of our State, many kinds of our native plants will become extinct, and we would recommend that steps be taken at an early day to establish a Herbarium at our Agricultural College and solicit collections from the people in all sections of the State. We believe these would be promptly and cheerfully sent, and in time be of great value to the students of Botany.

S. R. THOMPSON,
Mrs. PERRY WALKER, } Com.
Mrs. EMMA PRATT,

The following are the awards :

CLASS II.—FLOWERS.

LOT 1.

PLANTS IN POTS AND CUT.

Best display Green House Plants, W. J. Hesser,	\$5 00
Best display Carnations, same,	2 00
Best display Geraniums, same,	2 00
Best display Coleus, same,	2 00
Best display Roses, same,	2 00
Best display Cut Flowers, same,	3 00
Best display Dahlies, same,	2 00
Best display Phlox, same,	1 00
Best display Asters, J. T. Allan,	2 00
Best Hand Boquet, Mrs. C. B. Skinner,	2 00
Best Winter Boquet, Mrs. J. W. Reese,	2 00
Largest collection of Flowers, W. J. Hesser,	5 00

LOT 2.

ARTIFICIAL.

Best Basket Boquet, W. J. Hesser,	\$ 2 00
Best and greatest collection Green House Plants, W. J. Hesser,	25 00
Best and greatest collection Cut Boquets, W. J. Hesser,	25 00
Best Wax Flowers, Mrs. D. H. Chain,	2 00

S. R. THOMPSON,
Mrs. PERRY WALKER, } Com.
Mrs. EMMA PRATT,

REPORT OF COMMITTEE.

The exhibition of Nursery Stock in this department is considered by your committee the most important, displaying the rapid growth, and that hedges and orchards may be grown at small cost. The stock of Furnas & Sons, grown upon the high, open prairie, shows an extraordinary size and vigor. The Honey Locust specimens grown from seed this year measure three and a half feet, and, at that rate, a strong, thick and impenetrable hedge could be grown with this plant as soon as Osage Orange. Being indigenous to the State, it is becoming, wherever tried, the most popular hedge plant, and well deserves cultivation.

The Grape vines, seedling forest trees, and other specimens of nursery stock, exhibited by Mr. Stevens, of Saline county, also deserve especial mention, and while the present demand is so rapidly increasing it is gratifying to see our home nurseries furnishing the very best stock. This advantage cannot be over estimated.

Mr. Scarborough, of Payson, Illinois, has on exhibition fourteen varieties of choice pears, true to name and fine specimens. We hope at another meeting to see much more fruit from abroad. The advantage of comparing specimens grown in different localities will be evident to all.

While a few years ago it was confidently stated that apples could not be grown in this rigorous climate, as it was called, yet we have now on exhibition some figs from the orchards of Furnas & Sons, grown in the open air and perfect in every respect.

After the Fair, and on last evening, September 6th, 1872, the annual election for officers was held, with the following result :

- J. H. Masters, President, Nebraska City.
- J. T. Allan, Vice-President, Omaha.
- R. W. Furnas, Secretary, Brownville.
- D. H. Wheeler, Treasurer, Plattsmouth.

Adjourned to meet at call of President.

J. H. MASTERS, Pres't.

ROBT. W. FURNAS, Secretary.

December 1st, 1872, by order of the President, the following call was issued :

"The Winter meeting of the Nebraska State Horticultural Society will be held at Omaha, Friday, January 3rd, 1873. Business of great importance will be considered and transacted. A general attendance of members and friends is desirable.

"By order of the President.

ROBT. W. FURNAS, Sec'y."

WINTER MEETING, 1873.

OMAHA, January 3d, 1873.

MORNING SESSION.

At 11 o'clock the meeting was called to order by Hon. J. H. Masters, President. He said that no programme had been arranged to regulate the proceedings of the Society at this meeting, and appointed Prof. Thompson, of the State University, and Mr. Abbey, of Richardson county, a Committee on Programme.

It was then suggested that the first business should be a statement of the experience of members or others, who felt an interest in fruit growing, during the past year.

MR. ROWHER, OF WASHINGTON,

In answer to inquiries, proceeded to account for the production of the splendid apples which he exhibited. He said :

I planted my orchard in 1863, partly, and the balance in 1865. About two acres are occupied by trees, and last year they yielded a clear profit of \$250. Only a few of the entire number planted are yet in bearing, but I had 200 bushels from the two acres. This I consider a cheerful indication of success, and if I had capital and could put out one hundred acres, I don't know of anything that would pay me better. Some of the early apples are of fine quality, but the Belleflower and the Northern Spy were the best last year. My trees are, I think, planted a little too close. They are fourteen feet apart, and now they are crowded together. Last year the trees averaged

about two bushels each. I think it better to plant trees about twenty feet apart. My location is a little slanting to the south and east, and on pretty high ground. I cultivated my trees too long. It makes them too rank.

D. H. Wheeler remarked that this was the first evidence of success in fruit growing in that part of the State.

Mr. Rowher said he did not know of a single failure. He had not tried pears, but his neighbors had raised very fine ones.

Question—Is your orchard protected in any way?

Answer—No. When planted close the trees protect themselves. There are some buildings on the north side of my orchard, but they are not very near to it. It is on rolling ground.

Mr. President—This matter of distance in planting is very important, and we have now had experience enough to get at an accurate idea in reference to it.

Judge Mason, being called upon, gave a most valuable account of his experiments, failures and final success to which we wish every practical farmer in the State could have listened. He said perhaps his experience might prove discouraging. His location was on the rolling prairie, and he began on the raw sod by spading it deeply in spaces eight feet square. In these spaces he planted, and from that planting he had not a tree living. He then broke up the prairie, cultivated the soil for two years, and in 1860 set out two hundred trees. The varieties were some fifteen or twenty in number, the jenneton, white winter Pearmain, Rome beauty, wine sap, little Romanite, sweet Romanite, red astrichan and an unnamed sweet apple. Then came the killing frost of October 22d-23d, 1864, when the snow was six inches deep and the mercury below zero. The effect on the young trees was various. Red astrichan was not injured, maiden blush was badly killed, wine sap some injured, but none killed, jenneton, Romanite and yellow belleflower some hurt but not killed. He had cultivated his trees till about three years ago, when he had 152 bushels of apples. Then he employed an Englishman to trim up the trees, and he did trim them up. They looked as neat and pretty as anything could be, but he had no more fruit till this year, when 350 bushels were gather-

ed. With him maiden's blush and wine sap bore well, but the best in the orchard was the white winter Pearmain, both for profit and hardiness. He advised to plant the jenneton largely—it had advantages possessed by no others. It was slow to blossom in the spring and was not caught by the frosts. It was a sure bearer. Had noticed some other kinds, as the northern spy, blossom six days before the jenneton. The jenneton was a good keeper. For a cooking apple the wine sap was good, but not so good for the table as the white winter Pearmain. The none such would bear recommending. The Carthouse was a fine little apple, a late keeper and of good flavor. It was hard to find a good apple that would keep well. Ben. Davis was hardy, showy, marketed well and kept late, but it was not a choice apple—it was coarse in meat and not good in flavor.

The first orchard he set out had a wind break on the west, but not on the south. His experience was that they wanted a wind break all around, but if they could not have that then plant it on the south. They would notice that almost all trees sloped to the north. The prevalent wind was from the south, and on that side the trees were liable to be sun scalded. Let them put the wind break upon the south first.

In regard to planting, out of one hundred trees planted the day of their removal from the nursery, he had not lost one. Of one hundred that had been taken up in the fall and heeled in, he had lost seventy-five. Of two hundred pear trees he thought he had lost five per cent. Out of seventy-five shipped from Bloomington he had only lost eight. His were only dwarf pears, set in 1860. Out of one hundred he lost ten the first year, the others grew and came into bearing in three years. None were lost in 1864, but in 1865 he left them without hilling and the next spring they leaved out, but they were all dead. He planted seventy-five others and every winter has hilled up around the quince root, till the last, when he happened to be away, and lost twelve that were in bearing. The pear was not tender, it was the quince root or stock. They had borne well last year. Would rather hill up with earth than with manure. He then passed to the question of temperature, and gave some facts showing that the temperature of a frosty night was a few degrees lower in the bottoms

than on the prairie, and the heat greater to the same extent during the day. To avoid the excessive change he would plant upon the highest spot upon the farm, and, as to a slope, the northern was the best.

The best shelter was the grey willow, followed by evergreens inside. The willow grew rapidly and if planted at the same time as the trees the ground could be cultivated for two years and the corn stalks left, after which the trees would take care of themselves. The distance at which he planted in his old orchard was two rods, and when the trees attained their growth their branches would touch. His rule now was to plant sixteen feet each way and when they became too thick cut out for fire wood—to cultivate for two years, or not to exceed three, and sod down. The object ought to be to send the trees into winter quarters in good condition, so that they would not kill. It was a mistake about winter killing, they should call it fall killing, for it was while the sap was descending in the fall that the mischief was done by the early frosts. The Judge then related how he had kept a weeping willow from being winter killed by stripping off all the leaves early in the fall. The wood then had time to harden and the frost had no effect upon it.

For sodding down he used timothy and clover; alsike and red clover killed, but the timothy stood, and last year, from about three acres, he had secured $37\frac{1}{2}$ bushels of seed, worth \$3.50 per bushel. The yield of apples, not counting those thrown away and given away, was about three hundred bushels, which sold readily at \$1.50 per bushel.

In conclusion he called attention to the codling moth, which was going to be a great trouble, unless all combined to hunt it and keep it down. It attacked the apple at the calyx, comes out and finds a hiding place in the bark of the tree where it spins a cocoon, becomes a moth, lays its eggs, the new brood hatches in June and then goes on with the work of destruction. He and his boys had hunted and destroyed six hundred of them after they had gone into winter quarters. Every man ought to make it a duty to hunt for them. In answer to some questions, the judge said that in places where land was abundant and timber scarce he should plant as large a wind break as possible, consisting of willow, cottonwood, ash, black walnut and box elder.

While discussing the subject of premiums the following letter was read from F. R. Elliott, of Cleveland, Ohio :

CLEVELAND, December 30th, 1872.

FRIEND FURNAS :—Yours of the 21st received. Mr. Milles wrote me a day or two since respecting premiums to be offered. I replied that to this time I had heard of none, and if I had my way there should be none. The wrangle of you western people about awards the past season satisfies me over and again of my early reasons why objectionable.

Horse races and bull fights are supported by premiums, and so, perhaps, a part of agriculture, which is a necessary labor of support, may require some stimulus to keep up above brute life, but when you reach Horticulture and Pomology you have risen above the necessities of laborious life, and whoever walks in the garden should have a mind attuned above the lucre of this world. But enough.

We shall be glad to see you at Boston. Truly, &c ,

F. R. ELLIOTT.

A letter was received from Dr. Jno. A. Warder, of Ohio, acknowledging the receipt of an invitation to attend the meeting and expressing regrets that he was not able to be with us.

The following letter was read from Dr. Elliott, of Cleveland, Ohio :

Hon. R. W. Furnas :

DEAR SIR :—I have to-day, 20th of December, 1872. received the circular of your Secretary relative to your January meeting of the Nebraska State Board of Agriculture. It may be improper in me, a stranger and outside of your State, to offer a suggestion to your members, but the last two lines of your circular offers me a temptation to step into the lion's den, and so here I go :

Please suggest to your members that we are a progressive people, and that rules and orders, acts and fortunes in exhibitions of the progressive products of science and skill in agriculture of the present day, should not be confounded with the crude items of twenty years ago. In this view, therefore, I move an entire change of programme in the

premium lists, as well as in the order of selection of judges. Without a desire to direct, I will simply suggest a change or two, and then leave the subject matter to what I believe to be the good common sense of your actors in the State Board of Agriculture. First, I suggest that the item of premiums on cattle, a statement, sworn to, be made by exhibitor as to how his stock has been fed and cared for the past year. Second, on all of stock committees no man should be permitted who could not bear examination as to his knowledge of the points of stock, as critically as if examined for medical or law practice.

In grain crops I would hold every exhibitor to furnish a full statement in writing, as to soil, years, and how previously cultivated, supply and quantity of seeds, mode of plowing, &c., &c., ere he should come in as a competitor.— Second, I would make every judge only of men who were posted on varieties of grain, soil, and elements thereof, to make requirements, and they should give in their awards a written reason therefor.

In fruits I would make a committee who had full knowledge of varieties, of not less than ten years experience, and I would examine each and severally as to their practical knowledge touching culture, climate, &c., and if any failed of passing examinations let them slide.

As we now have our records there is really no progress of intelligence, and we had better settle ourselves to the true idea that our annual exhibitions are simply repeats of Donnybrook Fairs, where he who talks most and brags loudest wins, rather than continue the idea imaginary, that we are advancing the character of Agricultural life.

Very Respectfully,

F. R. ELLIOTT.

This brought the morning session to a close, and the meeting adjourned till evening.

EVENING SESSION.

President Masters in the chair.

Prof. Thompson, from the Committee on a Programme for the evening submitted the following :

1st. Experience in orchard planting. Best time to plant, spring or fall.

2d. Double working ; its effects upon the hardiness and productiveness of varieties.

3d. Comparative value of cottonwood cuttings and seedlings to plant for timber.

4th. Selection of delegates to the American Pomological Convention, at Boston, September, 1873.

Mr. Abbey said he planted 3,000 trees in the fall of 1869, and 5,000 the following spring. A larger proportion of those were killed which were planted in the fall, than those in the spring. The latter were heeled in during the winter and almost entirely covered with earth. Thinks the ground should be prepared in the fall and subjected to the action of the frost. Plow deep and dig the holes in the fall. Prefers two year old trees. Came into bearing 4th year after planting. He followed, in selecting, the varieties recommended by this Society, which had all stood and done well. Cultivated the orchard in crops for two years and last year made a hog pasture of it.

Gov. Furnas had, until recently, advised spring planting entirely, but as he has had more experience with fall planting was becoming favorably impressed. Cuttings should always be made in the fall, that they might callous. This would be the case with the roots of the trees, where broken they would callous and start first, before the leaves which should always be the case. There was always more time at that season for the work.

Mr. Gregg had found that trees he had planted in the fall did well ; commenced planting early, as soon as the terminal bud was hardened, and stripped the leaves off before moving the tree : root prune in the fall, if ever ; mulch with straw or litter.

Mr. Mason had planted 2,500 ash in the fall ; did not lose four per cent. ; favored thorough working of the ground, and procuring trees of home nurseries and planting the same day ; urged careful handling, and cautioned planters, in strong terms, to beware of the tree peddler, and offered the following resolution which was unanimously adopted :

RESOLVED, That the State Horticultural Society recommend to those planting orchards to purchase trees from the nearest nursery,

and if practical prepare the ground carefully in fall, by deep ploughing, and take up trees and set them the same day.

The President explained the system of double working to harden tender varieties. First, root graft a hardy variety, like Ben. Davis, and then graft tender kinds, like Maiden's Blush, into the limbs; had experienced the most complete success in this manner.

Mr. Stevens—How should trees be cut back? Had practiced heading in with success, and found those trees cut back most severely did best.

Gov. Furnas—Believe in cutting back, but no positive rule could be laid down; his rule was more root than top; as to the time at which to plant would recommend two year old trees, which under ordinary circumstances would bear at five years. Farmers setting large orchards might find it an object to plant one year old, on account of reduced price. The question now was, what was most available and how to plant largely with success.

Mr. Masters and Mr. Walker were both in favor of large trees. Thought the extra labor and care in planting were repaid by early bearing.

Mr. Behm—How wide a wind break should be planted an orchard?

Perry Walker had forty acres in orchard, enclosed with hedge, and five rows of cottonwood on three sides; no protection on the east side; did not think best to plant rows of trees for protection through the orchard.

Mr. Masters—If thought best to plant trees for a shelter among fruit trees would prefer evergreens of tall growing kinds.

Mr. Brewster had planted an orchard of trees from Illinois and taken special pains, but lost sixty per cent.; last spring had set all Nebraska grown trees with best of success.

Gov. Saunders had best success when quick planting was adopted; as soon as a tree was dug puddle the roots, and by that means prevent their drying.

On motion of Mr. Abbey a committee of three was appointed to revise the premium list for the fall meeting.

D. H. Wheeler, Treasurer of the Society, presented the following report :

		Dr.
D. H. Wheeler, Treasurer State Horticultural Society,		
September 14, 1871, to cash received from members,		\$ 14 00
January 4, 1872, to cash from Treasurer, O. P. Mason,		17 00
“ “ to cash from members,		42 00
March 29th, 1872, to cash from State Treasurer,		300 00
August 6th, 1872, to cash from members,		28 00
September 6th, 1872, to cash from members,		15 00
January 3rd, 1873, to cash from members,		10 00
		\$432 00
		Cr.
September 28th, 1871, by paid printing, No. 1,	\$ 4 00	
January 5th, 1872, by paid printing, No. 2,	1 50	
March 29th, 1872, by paid printing, No. 3,	300 00	
August 23d, 1872, by paid printing, No. 4,	55 50	
		\$361 00
		\$71 00
Amount on hand,		

D. H. WHEELER, Treasurer.

January 3rd, 1872.

Hon. O. P. Mason moved that a committee of three be appointed to audit all accounts for the present year, and examine the present report of the Treasurer. Adopted.

The President appointed O. P. Mason, W. W. Abbey and J. T. Allan such committee, who, after examining the Treasurer's books, made the following report :

To the State Horticultural Society :

Your committee, appointed to audit the accounts of the Treasurer of the Society, beg to report that they have examined the same in detail and find them correct in all respects, and recommend that it be accepted and approved by the Society.

O. P. MASON,
W. W. ABBEY, } Com.
J. T. ALLAN,

Which report was unanimously adopted.

Mr. Abbey presented the following, which was adopted :

RESOLVED, That Robt. W. Furnas, J. Sterling Morton, James

T. Allan and H. J. Rohwer be appointed delegates to the American Pomological Convention to be held at Boston, in September, 1873, and that their expenses be paid by this Society.

On motion of D. H. Wheeler the Secretary was ordered to have printed 3,000 copies of the transactions of the State Horticultural Society, for 1873, together with essays on timber, and 4,000 copies of the premium timber essay for distribution.

On motion of Judge Mason the farther discussion of subjects submitted by the Committee was postponed to a future meeting.

The Society then proceeded to examine and test the various kinds of fruit on exhibition with very satisfactory results. The following were on exhibition :

Masters, of Otoe county : Newton Pippin, Willow Twig, Snow Apple, Ben. Davis, Gabriel, Swarr, White Pippin, Poughkeepsie Russet, Otoe Red Streak, Red Canada, E. Spitzenberg, Smith's Cider, Northern Spy, White Winter Pearmain, Striped Pearmain, May Apple, Wine Sap, and Limber Twig.

Wm. Laurance, Nemaha county : Red Romanite, Wine Sap, Striped Pearmain and Willow Twig.

Harris, Taft & Woodman, two specimens of raw and boiled Linseed Oil, Sweet Potatoes and Irish Potatoes.

J. Rohwer, Washington county : Wine Sap, Jenneting, Northern Spy, Hubbardson Nonsuch, Yellow Belleflower and Talman Sweet.

Judge Mason, Otoe county : Sweet Romanite, White Winter Pearmain, Jenneting, White Belleflower, Swarr, Rome Beauty, Rhode Island Greening, Yellow Belleflower, Jonathan, Detroit Red, Wine Sap, Ben. Davis, Little Romanite, Hubbardson Nonsuch and Northern Spy.

Mr. Hesser, Cass county : Northern Spy, Red Bermeda, Yellow Nansemon, White Brazilian, Late Rose and Davis Seedling.

After an hour spent in discussing the merits of the different kinds of apples, pears, &c., the following resolution of thanks was passed unanimously :

RESOLVED, That the thanks of the State Horticultural Society are

hereby extended to Sheriff Grebe and J. T. Allan for the very ample arrangements made for the accommodation of the Society.

The Society then adjourned to meet at Lincoln, January 22, 1873.

ADJOURNED MEETING.

The adjourned meeting of the State Horticultural Society was held in the hall of the House of Representatives, January 24th, President Masters in the chair.

The unfinished business of last meeting was taken up, and the committee on premium list reported some changes, recommending that more liberal premiums be offered in several instances. Report adopted.

J. H. Masters was elected as an additional delegate to the meeting of the American Pomological Society, to be held in Boston September next.

J. H. Gregg, of Otoe, was appointed superintendent of the fruit department at the next fair, and Mrs. J. Sterling Morton, who filled the position with so much ability last fair, was, on motion, continued as superintendent of the floral department.

The Secretary presented a letter from James Vick, Esq., seedman, of Rochester, New York, which was read, offering special premiums to amount of \$200 for flowers grown from seeds purchased from him.

On motion the thanks of the Society were tendered Mr. Vick, and the Secretary ordered to insert the list of premiums offered in the Society's list of special premiums for 1873.

Judge Mason introduced the following:

RESOLVED, That J. T. Allan be directed to procure from the Rocky Mountains a car load of those varieties of evergreens which the Society distributed two years since, and which have proved successful in different parts of Nebraska; and that the same shall be distributed throughout the State to members of this Society, and others who will take proper care of the same and report the result to this Society at the next January meeting, and that the expenses be paid by this Society.

Col. Irish, of Otoe county, offered the following amendment :

RESOLVED, That this Society pay the expenses of Mr. Allan, and that the persons receiving the trees, in quantities not exceeding one hundred to each, shall pay their pro rata share of the other expenses. The amendment was accepted and resolution adopted.

Adjourned.

J. H. MASTERS, President.

R. W. FURNAS, Secretary.

Robt. W. Furnas, Secretary State Horticultural Society, in account,	Dr.
To cash received from State Treasurer,	\$300 00
To cash received from D. H. Wheeler, Treasurer Society,	55 00
To cash received from D. H. Wheeler,	3 00
To cash received from D. H. Wheeler,	4 00
Balance,	<u>132 00</u>
	Cr.
By paid printing 10,000 copies proceedings 1870-71,	\$370 00
By paid printing 5,000 circulars, report of com. on fruit and fruit list,	50 00
By paid postage on 2,000 circulars and pamphlets,	40 00
By paid Stationery, printing letter heads, envelopes and letter postage,	<u>34 50</u>
	\$494 50—\$494 50
Balance due Secretary,	\$132 00

LIST OF PREMIUMS

OFFERED AT STATE FAIR,

SEPTEMBER 1st, 2d, 3d, 4th, 5th & 6th, 1873.

CLASS I.

FRUITS.

J. H. GREGG, Otoe county, Superintendent.

COMMITTEE.—J. H. Masters, Nebraska City; J. Q. A. Smith, Brownville; Perry Walker, Plattsmouth.

LOT I.—GREEN FRUITS.

Best collection Nebraska grown Summer Apples,	\$10 00
Best collection Nebraska grown Autumn Apples,	10 00
Best collection Nebraska grown Winter Apples,	10 00
Best Nebraska Seedling Apple, Summer, Fall or Winter,	5 00
Best collection of Nebraska grown Apples, to include Summer, Fall and Winter, special premium by W. W. Abbey, Library,	25 00
Best collection Nebraska grown Fall Pears,	10 00
Best collection Nebraska grown Winter Pears,	10 00
Best Nebraska Seedling Pear,	5 00
Best collection Nebraska grown Pears, Fall and Winter, special premium by W. W. Abbey, Library,	25 00
Best collection Nebraska grown Peaches,	10 00
Best Nebraska Seedling Peach,	5 00
Best five bunches Concord Grapes, Nebraska grown,	2 00
Best five bunches Catawba Grapes, Nebraska grown,	2 00
Best five bunches Isabella Grapes, Nebraska grown,	2 00
Best five bunches Clinton Grapes, Nebraska grown,	1 00
Best five bunches Israella Grapes, Nebraska grown,	2 00
Best five bunches Iona Grapes, Nebraska grown,	2 00
Best five bunches Ives' Grapes, Nebraska grown,	2 00
Best five bunches Delaware Grapes, Nebraska grown,	2 00
Best five bunches Diana Grapes, Nebraska grown,	2 00
Best five bunches Martha Grapes, Nebraska grown,	2 00
Best gallon Native Wine, made from grapes grown in Nebraska,	5 00
Best collection Grapes, five bunches each,	10 00
Best collection of Fruits to embrace Apples, Pears, Peaches, Plums and Grapes, quantities as specified above, special premium by W. W. Abbey, Library,	50 00

LOT 2.—CANNED AND DRIED FRUITS.

Best Canned or Preserved Apples,	\$1 00
Best Canned or Preserved Pears,	1 00
Best Canned or Preserved Peaches,	1 00
Best Canned or Preserved Cherries,	1 00
Best Canned or Preserved Grapes,	1 00
Best Canned or Preserved Quinces,	1 00
Best Canned or Preserved Tomatoes,	1 00
Best Canned or Preserved Strawberries,	1 00
Best Canned or Preserved Gooseberries,	1 00
Best Canned or Preserved Currants,	1 00
Best Jelly of any kind,	1 00
Best Pickels of any kind,	1 00
Best quarter bushel Dried Apples,	1 00
Best quarter bushel Dried Peaches,	1 00
Best gallon dried Raspberries,	1 00

 CLASS II.

FLOWERS.

MRS. J. STERLING MORTON, Nebraska City, Superintendent.

COMMITTEE—Prof. Aughey, Mrs. O. Harman, J. T. Allan, Mrs. O. D. Howe, Chancellor A. R. Benton.

LOT 1.—PLANTS IN POTS, AND CUT.

Best display Green House Plants,	\$5 00
Best display Carnations,	2 00
Best display Geraniums,	2 00
Best display Petunias,	2 00
Best display Roses,	2 00
Best display Coleus,	2 00
Best Decorated Vase,	2 00
Best display Cut Flowers,	3 00
Best display Dahlies,	2 00
Best display Asters,	2 00
Best display Phlox,	1 00
Best Basket Boquet,	2 00
Best Hand Boquet,	2 00
Best and largest collection of Flowers, cut or in pots, or both,	5 00

LOT 2.—ARTIFICIAL:

Best Feather Flowers,	\$2 00
Best Wax Flowers,	2 00
Best Wax Fruits,	2 00
Best Seed Wreath,	2 00
Best Phantom Boquet,	2 00
Best Agrscultural Seed Picture,	2 00
Best Floral display of any and all kinds,	5 00
Best and greatest number of Green House Plants, by one exhibitor, special premium by Lancaster County Agricultural Society,	25 00
Best and greatest number of Cut Boquets, special premium by Lancaster County Agri- cultural Society,	25 00